



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010624
CERTIFICATION DATE: December 6, 2013
DATE RECERTIFICATION DUE: June 4, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 12th day of
December, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

MMB



DBH
NHL

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/9/2013**

Instrument Serial Number: 010624

As of 09-Dec-13

Maintenance Date	Certification Date	Technician Initials	Remarks
06-Dec-13	06-Dec-13	DBH (21250)	REPLACED UPS BACK-UP BATTERY. FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
17-Jun-13	17-Jun-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
07-Jan-13	07-Jan-13	TLN (25387)	CERTIFIED.
30-Nov-12	30-Nov-12	DBH (21250)	CERTIFIED.
19-Oct-12	19-Oct-12	TLN (25387)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
08-Feb-12	08-Feb-12	TLN (25387)	REPLACED KEYBOARD. REPLACED DRY GAS STANDARD. CERTIFIED
18-Aug-11	18-Aug-11	SED (24178)	CERTIFIED.
17-Mar-11	17-Mar-11	RJP (22428)	CALIBRATED AND CERTIFIED.
30-Sep-10	30-Sep-10	RJP (22428)	REPLACED DRY GAS STANDARD. REPLACED PRINTER. CERTIFIED.
09-Apr-10	09-Apr-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
19-Feb-10	23-Oct-09	RJP (22428)	REPLACED PRINTER RIBBON.
23-Oct-09	23-Oct-09	RJP (22428)	CERTIFIED.
05-May-09	05-May-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
19-Dec-08	19-Dec-08	NMJ (22392)	CERTIFIED.
01-Dec-08	01-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
NJK

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010624 Worksheet Start Date 12/6/2013
Location King William CO SO
Address 351 Courthouse Ln King William VA 23086
DFS Technician Donald Hall License No. 21250
☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

E-Seek	Old serial no.	New serial no.	Supplies
Keyboard			Mouthpieces
Printer			Certificates of Analysis
UPS	jb0802015229	jb0802017146	Operator Worksheet
			Other:

Maintenance (if any)
Replaced ups back-up battery. Firmware/software upgrade.

Comments (if any)

Instrument Serial Number	010624	Certification Date	12/6/2013
Instrument Barometer (mm HG)	758	Reference Barometer (mm HG)	758
Reference Barometer(RB)Serial #	009109	RB Calibration Due	8/1/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.248
0.250	0.249	0.241	0.256	Sample 2	0.248
Precision		sample min	sample max	Sample 3	0.248
0		0.248	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.149	0.144	0.153	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0.001		0.080	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated ☒ Certified ☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.) AG230501-38

☒ Measurement Assurance Check ☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician: Sandra B Hall Date: 12/9/13

Issuing Analyst: Melissa Kennedy Date: 12/10/13




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---------------------------------------------	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/06/2013
TEST EQUIPMENT NUMBER 010624		

RESULTS: TIME SAMPLE TAKEN **11:03 EST**
SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 06 Dec 2013 at 12:13

Sid
DBH
MSE

Test Results

Instrument Serial Number 010624

Test # 000945 Subject Test

Test Location 1 Department of
Test Date 06 Dec 2013

Test Location 2 Forensic Science
Test Time 10:56
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab
Card Serial Number 121250
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number

Operator's First Name DONALD
License Number 21250
Operator's Middle Initial B
Effective Date 10/01/2012
Expiration Date 10/01/2014
Subject's First Name TEST
Subject's Date of Birth 00/00/0000
Subject's Sex Male
Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 06 Dec 2013 End Time 11:04

Result Time 11:03

Result Date 06 Dec 2013 Result 0.00

Data Type DIAG
Data Type BLK
Data Type CHK
Data Type BLK
Data Type SUBJ
Data Type BLK
Data Type SUBJ
Data Type BLK

Sample Value Pass
Sample Value 0.000
Sample Value 0.101
Sample Value 0.000
Sample Value 0.000
Sample Value 0.000
Sample Value 0.000
Sample Value 0.000

Sample Time 10:57
Sample Time 10:57
Sample Time 10:58
Sample Time 10:59
Sample Time 11:00
Sample Time 11:01
Sample Time 11:03
Sample Time 11:04

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG210901-15

Standard Expiration Date 04/18/2014

Tank Pressure 296

Barometric Pressure 758 mmHg

Blow Sample Number 1 Blow Duration 3.37 sec

Blow Volume 1798 cc End-of-Blow Time 11:00

Blow Sample Number 2 Blow Duration 3.73 sec

Blow Volume 2008 cc End-of-Blow Time 11:03

Tamper Evident Stamp 3c7e8d42

Test Status Code 0

Test Status Success

DBH

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010624 Test Number: 946

Test Date: 12/06/2013 Test Time: 11:06 EST

Dry Gas Target: 0.100

Lot Number: AG210901-15 Exp Date: 04/18/2014

Tank Pressure: 291 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:07
CHK	0.101	11:08
BLK	0.000	11:09
CHK	0.100	11:10
BLK	0.000	11:11
CHK	0.100	11:12

Test Status: *Success*

Calibration CRC: 61755899

WJK

DBH

Intox EC/IR-II: Accuracy Check

hak

Department of Forensic Science

Serial Number: 010624 Test Number: 947

Test Date: 12/06/2013 Test Time: 11:16 EST

Dry Gas Target: 0.299

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 409 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:17
CHK	0.301	11:18
BLK	0.000	11:19
CHK	0.300	11:20
BLK	0.000	11:21
CHK	0.299	11:22

Test Status: *Success*

Calibration CRC: 61755899

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010624 Test Number: 948

Test Date: 12/06/2013 Test Time: 11:26 EST

Technician Initials: DBH

Dry Gas Target: 0.100

Lot Number: AG210901-15 Exp Date: 04/18/2014

Tank Pressure: 286 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:26
BLK	0.000	11:27
CHK	0.100	11:27
BLK	0.000	11:29
CHK	0.100	11:29
BLK	0.000	11:31
CHK	0.099	11:31
BLK	0.000	11:33

Success

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

PERFORMED ONE-POINT CERTIFICATION IN PREPARATION
FOR FIRMWARE/SOFTWARE UPGRADE DUE TO CERTIFICATION
WARNING ON DISPLAY.

DBH

12/6/13

DAH

Intox EC/IR-II: Software Version

WHL

Department of Forensic Science

Serial Number: 010624

System Date: 12/06/2013

System Time: 12:20 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

Intox EC/IR-II: Calibration

WJK

Department of Forensic Science

Serial Number: 010624 Test Number: 949

Test Date: 12/06/2013 Test Time: 12:22 EST

Dry Gas Target: 0.100

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 350 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:23
CAL	0.100	12:23

Test Status: *Success*

Calibration CRC: 1F365A21

DBH

Intox EC/IR-II: Certification

NJK

Department of Forensic Science

Serial Number: 010624 Test Number: 950

Test Date: 12/06/2013 Test Time: 12:28 EST

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 29612250I2-10 Exp Date: 11/01/2014

Tank Pressure: 80 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:29
BLK	0.000	12:29
CHK	0.248	12:30
BLK	0.000	12:32
CHK	0.248	12:32
BLK	0.000	12:34
CHK	0.248	12:35
BLK	0.000	12:36

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010624 Test Number: 951

Test Date: 12/06/2013 Test Time: 12:39 EST

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 473 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:39
BLK	0.000	12:40
CHK	0.149	12:41
BLK	0.000	12:42
CHK	0.149	12:43
BLK	0.000	12:44
CHK	0.149	12:45
BLK	0.000	12:46

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

ADK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010624 Test Number: 952

Test Date: 12/06/2013 Test Time: 12:49 EST

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 56 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:49
BLK	0.000	12:50
CHK	0.081	12:51
BLK	0.000	12:52
CHK	0.080	12:53
BLK	0.000	12:54
CHK	0.080	12:55
BLK	0.000	12:56

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

NSK

Department of Forensic Science

Serial Number: 010624 Test Number: 953

Test Date: 12/06/2013 Test Time: 12:59 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 850 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:00
BLK	0.000	13:01
CHK	0.019	13:01
BLK	0.000	13:03
CHK	0.019	13:03
BLK	0.000	13:05
CHK	0.019	13:05
BLK	0.000	13:07

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010624 Test Number: 954

Test Date: 12/06/2013 Test Time: 13:11 EST

Dry Gas Target: 0.299

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 399 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:12
CHK	0.302	13:12
BLK	0.000	13:14
CHK	0.302	13:15
BLK	0.000	13:17
CHK	0.301	13:17

Test Status: Success

Calibration CRC: 1F365A21

DBH

NSH

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010624 Test Number: 955

Test Date: 12/06/2013 Test Time: 13:20 EST

Dry Gas Target: 0.100

Lot Number: AG230501-38 Exp Date: 10/31/2014

Tank Pressure: 384 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:21
CHK	0.100	13:21
BLK	0.000	13:23
CHK	0.100	13:24
BLK	0.000	13:25
CHK	0.100	13:26

Test Status: *Success*

Calibration CRC: 1F365A21

DBH

WJH




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---------------------------------------------	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/06/2013
TEST EQUIPMENT NUMBER 010624		

RESULTS: TIME SAMPLE TAKEN 13:35 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 09 Dec 2013 at 08:54

DBH
mk

Test Results

Instrument Serial Number 010624

Test # 000956 Subject Test

Test Location 1 Department of
Test Date 06 Dec 2013

Test Location 2 Forensic Science
Test Time 13:29
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 06 Dec 2013 End Time 13:37

Result Time 13:35

Result Date 06 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:29

Data Type BLK

Sample Value 0.000

Sample Time 13:30

Data Type CHK

Sample Value 0.100

Sample Time 13:31

Data Type BLK

Sample Value 0.000

Sample Time 13:32

Data Type SUBJ

Sample Value 0.000

Sample Time 13:33

Data Type BLK

Sample Value 0.000

Sample Time 13:34

Data Type SUBJ

Sample Value 0.000

Sample Time 13:35

Data Type BLK

Sample Value 0.000

Sample Time 13:36

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG230501-38

Standard Expiration Date 10/31/2014

Tank Pressure 375

Barometric Pressure 757 mmHg

Blow Sample Number 1 Blow Duration 3.43 sec

Blow Volume 1802 cc End-of-Blow Time 13:33

Blow Sample Number 2 Blow Duration 3.60 sec

Blow Volume 1858 cc End-of-Blow Time 13:35

Tamper Evident Stamp ec0723fc

Test Status Code 0

Test Status Success